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16 Jan Mattapoisett MA @KoC B$1 S$10                               Ken 508 993 3993 F
```

16 Jan Yonkers NY Metro70 @Lincoln HS \$15@7 \$5@9 Otto WB2SLQ 914 969 1053 F

22 Jan Nashua NH NE Antique RC \$5@9 \$1@10 @ Res Ctr Church Ray 508 865 1290 +

12 Feb Goshen NY OrangeCoARC James WB2WLN 914 564 2707 A+

19 Feb Marlborough MA Algonquin ARC @MS \$2@10 \$12@8 Ann KA1PON 508 481 4988 F

20 Feb Mattapoisett MA @KoC B\$1 S\$10 Ken 508 993 3993 F

26 Feb Milton VT @HS 8AM Mitch 802 879 6589

27 Feb Westford MA Boston Antique RC John 508 371 0512 T

27 Feb New Hyde Park NY LIMARC @Nassau PAL s@7 b\$6@9 Neil WE2V 516 462 5549 +

5 March Lewiston ME AARC @Multi P CTR \$3@8 \$5/T@7:30 Sal W1CUW 207 998 2853 F+

6 March Northampton MA Mt Tom ARA @Smith VoTech Jim K1MEA 413 527 3199 T

20 March Mattapoisett MA @KoC B\$1 S\$10 Ken 508 993 3993 F

20 March Bristol CT ICRC @Eastern HS Al W1KGD +

26-27 March Baltimore MD Hamboree @Timonium 8A- \$5 Sell \$5/10+ 800 HAM FEST +

10 April Framingham MA @ HS \$14@8 \$5@9 \$2@10 Barry WN1N 508 877 4947 F

10 April Southington CT SARA @HS? N1GCV 203 621 6191 D+

17 April Cambridge MA FLEA at MIT Nick 617 253 3776 F
 buy \$2@9A sellers \$10/sp@7A \$8in adv \$35/sp "Season Pass"
 3rd Sunday Each Month April thru October

23 April Nashua NH NE Antique RC \$5@9 \$1@10 @Res Ctr Church Ray 508 865 1290 +

23,24 April Waltham MA Photographica 10-5 \$5 ~photo~ (bef 9PM) 617 965 0807 F

29 30 April 1 May Dayton OH F

6,7 May Rochester NH Hoss Traders @FG ex13 off rt 16 \$5 noon fri Joe K1RQG

~~~~~  
 LAST UPDATE 12-1-93 de W1GSL P 1 of 2  
 \*\*\*\*\*  
 Additions/ Corrections via Internet w1gsl@athena.mit.edu  
 TCPIP w1gsl@gw.w1mx.ampr.org  
 AX.25 w1gsl@wa1phy.#ema.ma.usa

US Mail W1GSL POB 82 MIT Br Cambridge MA 02139  
SASE for updated copy as issued.

P 2 of 2

| 1994                                                                                                                                         | Contact                         | Source |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------|
| 15 May Cambridge MA FLEA at MIT<br>buy \$2@9A sellers \$10/sp@7A \$8in adv \$35/sp "Season Pass"<br>3rd Sunday Each Month April thru October | Nick 617 253 3776 F             |        |
| 20,22 May Rochester NY NYS ARRL Conv                                                                                                         | Harold K2HC 716 424 7184 A+     |        |
| 21 May Forestdale RI RIFMRS @VFW 8A                                                                                                          | Rick K1KYI 401 725 7507         |        |
| 30 May Whitman MA WARC @Rt 14+18 sell@\$10/sp (monday)                                                                                       | 617 447 1277 F                  |        |
| 5 June Newington CT @HS Flea + ARRL HQ OH                                                                                                    | Al N1JWF 203 747 1925 T         |        |
| 19 June Cambridge MA FLEA at MIT                                                                                                             | Nick 617 253 3776 F             |        |
| 17 July Cambridge MA FLEA at MIT                                                                                                             | Nick 617 253 3776 F             |        |
| 23 July Nashua NH NE Antique RC \$5@9 \$1@10 @ Res Ctr Church Ray                                                                            | 508 865 1290 +                  |        |
| 7 Aug Wellesley MA WARS @Babson Trim Hall                                                                                                    | Barbara N1ICQ 617 329 2628      |        |
| 13 Aug Charlotte VT @Old Lantern CG 8A- \$5 su 3P Fri Dave                                                                                   | N1ERD 802 893 7660 T            |        |
| 21 Aug Cambridge MA FLEA at MIT                                                                                                              | Nick 617 253 3776 F             |        |
| 27 Aug Gardner MA MARC @Drive-in \$5@6 \$2@8                                                                                                 | Bill WJ1Y 508 939 2643 T        |        |
| 10 Sept Berlin VT CVTARC                                                                                                                     | Robert McCorkle 802 433 6172 A+ |        |
| 17 Sept Forestdale RI RIFMRS @VFW 8A                                                                                                         | Rick K1KYI 401 725 7507         |        |
| 18 Sept Cambridge MA FLEA at MIT                                                                                                             | Nick 617 253 3776 F             |        |
| 25 Sept Framingham MA @ HS \$14@8 \$5@9 \$2@10                                                                                               | Barry WN1N 508 877 4947 F       |        |
| 1,2 Oct Boxboro MA NE Div Conv.                                                                                                              | Gene W1VRK 617 631 7388 A       |        |
| 8,9 Oct Durham CT Nutmeg @FG Opens 4PM sat \$5-25                                                                                            | Jim N1IZF 203 349 3353 F        |        |
| 16 Oct Cambridge MA FLEA at MIT                                                                                                              | Nick 617 253 3776 F             |        |

22,23 Oct Waltham MA Photographica 10-5 \$5 ~photo~ (bef 9PM) 617 965 0807 T

29 Oct Nashua NH NE Antique RC \$5@9 \$1@10 @ Res Ctr Church Ray 508 865 1290 +

13 Nov Branford CT SCARA @intrm sch Brad WA1TAS 203 265 9983 T+

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LAST UPDATE 12-1-93 de W1GSL P 2 of 2

Source F= Flyer J= John Roberts list A= ARRL list WR NV 73 CQ QST = Mags

T= tentative early info D= W1DL + = new info this month

This list has been compiled from many sources. While we believe the info to be accurate the author can not be responsible for changes or errors.

Check with the sponsoring organizations for more details. This list will be posted monthly to USENET. Mailed copies are sent when additions are made.

Additions/ Corrections via Internet w1gsl@athena.mit.edu

TCPIP w1gsl@gw.w1mx.ampr.org

AX.25 w1gsl@walphy.#ema.ma.usa

US Mail W1GSL POB 82 MIT Br Cambridge MA 02139

SASE for updated copy as issued.

Date: Thu, 9 Dec 1993 04:21:00 -0700

From: pacbell.com!sgiblab!swrinde!cs.utexas.edu!math.ohio-state.edu!

news.cyberstore.ca!nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.ucsd.edu

Subject: GB2ATG (December 1993)

To: info-hams@ucsd.edu

RYRYRY - GB2ATG - RYRYRYRYRY - BARTG - RYRYRYRYRY - GB2ATG - RYRYRY

This is the - British Amateur Radio Teledata Group - News Broadcast Service for all Amateurs and Short Wave Listeners interested in RTTY Amtor, Pactor and Packet Radio.

This news is broadcast during the first full week commencing Monday each month, to the following schedule..

Evening transmissions at 1930 GMT. on 3.584 MHz. Mark. +/- for QRM.

RTTY on Monday-AFSK, Wednesday-AFSK, Friday-FSK and Saturday-AFSK.

Amtor-FEC on Tuesday and Thursday.

Morning transmission at 1000 GMT. on 7.041 MHz. Mark. +/- for QRM.

RTTY on Sunday-AFSK.

>From January 1994 the broadcast schedule will be adjusted to provide:

RTTY on Monday-AFSK, Wednesday-AFSK, Friday-FSK and Sunday-AFSK.

Amtor-FEC on Thursday and Saturday.

Pactor-FEC on Tuesday.

An edited version of this bulletin is available on the Packet network as a

BARTG @ GBR. file thanks to: Andy (G3ZYP) @ GB7BBS.#28.GBR.EU.
It is also posted on the "INTERNET" system via the INFO-HAMS list on UCSD.EDU.
thanks to Iain (G6ARO) who is available on the "JANET" network as
Iain @UK.AC.HUMBER.

News for December 1993. Bulletin No. 012. (all times are GMT).

BARTG information.

AGM.

A well attended meeting again at this venue. The retiring chairman John Barber (G4SKA) reported on good progress during his term and plans for future progress to enhance the status of the group abroad. The treasurers report disclosed a very sound financial position due to the endeavours of a hard working committee for which the meeting declared unanimous appreciation. The task of updating Beginners Guides for most data modes is well advanced following the publication of the "BARTG Guide to Packet" produced by Ian Wade (G3NRW). As contest manager, John Barber announced BARTG plans for the first world wide HF Amtor/Pactor contest early in July 1994 which will undoubtedly further the status of BARTG as the leading data group worldwide. The existing committee were elected unopposed for a further term with the addition of Andy Matheson (G3ZYP). The election of a chairman was deferred to the first meeting of the new committee. Membership subscription is to remain at current levels for the coming year due entirely to the success of the revenue income achieved by the individual efforts of the committee serving the membership during the last 2 years. Membership must surely be the best value available for the services on offer. DATACOM alone is worth more.

Ian Wilks (GW3FSW) volunteered his services to co-ordinate BARTG attendance at rallies. He will welcome all offers from members available to staff the BARTG stand at their local rally in 1994.

A very successful meeting to close a very successful year.

RTTY DX activity.

14 MHz.

V73IO 0730, ZL1VT, V73BN and XT2BW 0800,
PJ6CCP, FK8GS, TT8OB0, BY1QH, YI1AL and YI1AZ 0830,
UC2LEG 0900,
TA5C and OH0BBF 0930,
BV7WB and VK8BE 1000.
YI1HS, PJ2MI and HH2PK 1030,
CU1AC 1100,
KP2N 1130,
9D2UU and J28JJ 1300
VQ9FM, 3A2LZ, YB5QZ, YL75V and YI1AZ 1400,
CN8BX, and VP2V/K4ADK 1500
TT8OB0, 5B4BX and 9A3PL 1530,
YL75Z, ET3SID and 9M2FO 1600,
CN8GI, C06RR, CU1AC, NP2G and FR5GS 1630,

21 MHz.

FH/DL5XU, 7Q7LA, Z21HS, TY1PS and 5N/DF8QB 1400,
Z32JA and A61AF 1430
HJ4SAN and V51A 1500
EA6VS 1530,

ARQ 14 MHz.
9H1B 0730,

Pactor 14 MHz.
A61AF 1430
SV1BJV 1500
Z21HJ 1630.

QSL Information.

A61AF Box 15825, Dubai, U.A.E.
VP2V/K4ADK via AB4JI.
V51A Box 6316, Windhoek, Namibia
XT2BW via WB2YQH.
V73IO via KH6IO
7Q7LA via G0IAS
PJ2MI via K2PEQ.
TT8OB0 via WA4OB0
Z32JA via YU5XTC
FH/DL5XU via DL5XU.
C06RR at Box 255, Cienfuegos 55100, Cuba.
ET3SID at Box 60229, Addis Ababa, Ethiopia.
YI1AZ at Box 55195, Baghdad 12001, Iraq.
YI1HS at Box 7075, Baghdad 12216, Iraq
YL75V via YL2KL
9D2UU via LZ2UU.
YL75Z at S. Hochberg, PK.22, Jelgava, LV-3000, Latvia.

Contests.

New address for the WAEDC contest logs:
WAEDC Contest Committee. P.O. Box 1126, D-74370 Sersheim, Germany.

Some late notice of a RTTY Sprint contest which may be of interest:

The Troy Amateur radio Club (TARA) announces its second annual RTTY Sprint.
The contest period this year will be from 2100 UTC. 11 December 1993 to 0100
UTC. 12 December 1993. Work stations once per band. One point per QSO.
States and DXCC countries are multipliers. Bands are 80, 40, 20, 15 and 10
meters.

Logs must be submitted by 17 January 1994 to:
Bill Eddy. NY2U. C/O TARA 2204, 2nd Street, Troy, New York 12180.

SARTG have their Happy New Year RTTY contest from 0800 until 1100 Saturday January 1. Bands 3.5 and 7 MHz. only.

Classes are..

- A) Single operator.
- B) Multi-Operator.
- C) Short Wave Listener.

Exchange message..

RST + QSO serial number + name + "Happy New Year" in own language.

Points..

One (1) point for each QSO on each band. The same station may be contacted only once on each band.

Multipliers..

A multiplier of one (1) is given for each DXCC-country (except Scandinavia) and each LA - OH - OZ - SM - TF prefix number (0-9) contacted on each band.

Final score: Sum of QSO points times sum of multipliers.

Logs to be received by January 21 1994 containing: Band, Time GMT, Message sent and received, Points and Multipliers. Use a separate sheet for each band and enclose a summary sheet showing the scoring, class, your name and address.

Logs from multi-operator stations must contain the calls or names of all operators involved. SWL's use the same rules but based on stations and messages copied.

Address your logs to:

SARTG Contest Manager. Bo Ohlsson SM4CMG. Skulsta 1258,
S-710 41 Fellingbro, Sweden.

Awards to the top five stations in each group and to the winner in each country.

On the same day the ARRL RTTY-Roundup starts at 1800 January 1 until 2400 January 2. Operate no more than 24 hours. Two rest periods (for a combined total of 6 hours) must be taken in two single blocks of time, clearly marked in the log.

Modes: Baudot RTTY, ASCII, Amtor and Packet (attended operation only*) (I would presume Pactor will also be allowed Ed.)

All 5 HF bands 3.5 - 7 - 14 - 21 - 28 MHz.

Classification:

- A) Single operator all band.
 - 1. Less than 150 watts output. 2. 150 watts output or more.
- B) Multi-Operator single transmitter.

Exchange message:

For United States: Signal report plus state.

For Canada: Signal report plus province.

For DX: Signal report and serial number starting 001.

Scoring:

- (A) QSO points: Count one point for each completed QSO. A station may be worked once on each band for QSO credit.
- (B) Multipliers: Count only once and not once per band, each US. state (except

KH6 and KL7), each VE. province (plus VE8 and VY1) and each DXCC country. KH6 and KL7 count only as separate DXCC countries. The USA. or Canada do not count as DXCC countries.

Logs: An entry making more than 200 total QSO's must submit duplicate check sheets (an alphabetical listing of stations worked). Logs should show dates, QSO times, call sign of station worked, complete exchange sent and received for each contact, and band. Postmark your entry within 30 days after the contest ends.

Send to: ARRL Contest Branch, 225, Main Street, Newington, CT 06111.

Notes of interest.

The station in Sarh, Chad TT80B0 is now being operated by A1 (KL7QH).

John in Dubai, U.A.E. is QRV both RTTY and Pactor as A61AF.

The DXCC desk announced that QSL cards from A61AF for operations prior to August 3 1993 are not good for DXCC credit as operations before that date were unauthorised. All who submitted cards prior to November 16 1993 must re-submit as all credits have been removed from the database. Only cards with QSO dates after August 3 1993 will be accepted.

Prefix hunters will notice the calls YL75V and YL75Z being used to commemorate the 75th anniversary of the foundation of the Republic of Latvia (18th November 1918). The Latvian buro is not functioning so QSL's may be sent direct as above.

Thanks this month to..

G3ZYP, G3MWH, DXNS, ARRL/ARLDX.

BARTG caters for all DATA interests with information-components-kits -ready built units and software from experts. Members receive a 120 page quarterly journal devoted to data modes. Beginners guides for most data modes are available. The group sponsors HF and VHF RTTY contests, administers its own DX and members award scheme and runs an annual rally.

This copy of BARTG News is posted by Iain Kendall (G6AR0) who can be contacted via Internet e-mail at.. iain@humber.ac.uk Items for inclusion in the broadcast may also be mailed to this address, as well as any queries regarding membership or services offered by BARTG.

Copy of the news bulletin as distributed by G0ARF 931130.

Date: 6 Dec 93 07:51:00 GMT

From: dds1!indep1!clifto@uunet.uu.net

Subject: Legal Question about 97.403

To: info-hams@ucsd.edu

In article <36364@ksr.com> jfw@ksr.com (John F. Woods) writes:

> As others have pointed out,

or

ADD <Your_Address> rose

To post to the list send email to rose@kb2ear.ampr.org.

73,

--

Scott R. Weis KB2EAR

Internet: kb2ear@kb2ear.ampr.org

Snail Mail: 10 Palmer Rd., Kendall Park, NJ, 08824-1228

Phone: +1 908 297 0469

Date: Wed, 8 Dec 1993 13:45:37 GMT

From: netcomsv!netcom.com!greg@decwrl.dec.com

Subject: R/C Aircraft

To: info-hams@ucsd.edu

In article <2e2na6\$njm@slinky.cs.nyu.edu> jackson@longlast.cs.nyu.edu (Steven Jackson) writes:

>Having read the latest '73, I am interested in hearing about the feasibility of
>installing the necessary electronics to get statistical information from model
>aircraft via packet.

Ah, but first you have to build it and learn to fly it. R/C modeling is every bit as complex, in and of itself, as ham radio. Probably more so. You have to learn to walk before you can run, on this one. It sure is addictive though.

>I envision one person flying the machine while another person pulls statistical
>data from the machine. Some options would be ssb-tv and computer controlled
>scanning on board.

Why not just set up a telemetry down-link and analyze what comes in later? Most of the 'live' stuff isn't any more interesting than the recording, anyway.

>Of course, you wouldn't rebroadcast the scanner audio. If the aircraft is
>large enough, a motherboard with soundcard and scsi-2 hard drive could be
>shoved in there and the scanner audio could be recorded to the hard drive.

Conditions in R/C models are pretty adverse. They pull a lot of g-forces. The vibration is unbelievable. If you can avoid anything remotely delicate, do it. Again, I'd go with a raw telemetry link and do the recording on

the ground, the analysis later. Also keeps the weight down.

>back to base as uuencoded data? I don't think *that* would be allowed.

As long as you're using plain ASCII, you're okay.

>Starting with the basics, what's the largest model aircraft anyone here has
>built or can legally be built? What about engines? I recall reading that the
>man featured in the story converted his airplane's engine to a hacked
>chainsaw engine to stay away from costly glow fuel.

Chainsaw and snow-blower engines are fairly common. They make specially
converted models for, um, models. Figure on about a 10-foot wingspan for
one of these beasts, set up for lifting. Get a copy of RC-Modeler or
Model Airplane News, and see the ad for the biggest 'Telemaster.'

But... ...you might want to be a pretty good pilot before you put
this kind of asset in the air. Also, you can easily kill yourself
or someone else with one of these.

>How expensive does the hobby get and how quickly? Before anyone flips out
>about the size, Sharp recently released an integrated motherboard/isa drive
>controller the size of a credit card.

Funny you should mention credit card... ...basic .40-size trainer with
radio, engine, etc., will run you about \$500.00 plus the time to build
the kit. This ain't a cheap hobby. Nor is it really an infant science,
as the sophistication of the modelers and manufacturers is very high.

Also, R/C is very club-oriented, due to insurance and training requirements.

What you MIGHT want to consider is finding a local R/C club and teaming
your temetry interest with one of the experienced builders and flyers.
That way, you wouldn't have to go through ages of practice to start
on your focus of interest. Warning: you will get distracted by the
urge to learn to fly. Second Warning: you will get distracted by the
urge to learn to fly.

Greg

P.S.: Did I mention that you will get distracted by the urge to
learn to fly?

Date: Sat, 11 Dec 93 02:53:29 GMT

From: cis.ohio-state.edu!mstar!n8emr!bulletin@uunet.uu.net
Subject: VK2SG RTTY DX Notes, 10 December
To: info-hams@ucsd.edu

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=====
| Automatic relayed from packet radio via           |
|           N8EMR's Ham BBS, 614-895-2553           |
=====
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SB DX @ ALLBBS \$RTDX1210
VK2SG RTTY DX Notes, 10 December
VK2SG RTTY DX Notes for week ending 10 December 1993 (BID RTDX1210)
Bandpass reports this week from the USA were light. Most of the
action was reported from Central Europe.

We anxiously await the announcement from the ARRL of the results of
the vote by the DX Advisory Committee (DXAC) on the establishment of a
DXCC RTTY (Digital) Honor Roll. This vote was taken during November.

Our information this week came from 9X5LJ, I5FLN, the NJ0M Node of the
Twin Cities DX Packet Cluster Network, SP5AA, WB2CJL, ZS5S, and W5KSI.
Thanks to all for your help.

Bandpass

Friday 3

1258-14083 4L8A
1304-14086 RA2FB

Saturday 4

0630-21073 J28BM ARQ
0630-21073 Z21HS ARQ
0812-14083 UA0SMF
0815-14083 UN7RX
1001-14085 YI1HS
1009-21085 4L8A QSL OZ1HPS
1228-14084 IB0R Ponza Island IOTA EU-45 QSL IW0BEI
1237-14087 RA3UN
1301-14089 EA6NB
1316-14089 LX1DA
1345-14084 4L8A
1410-14086 HI8BG
1432-14086 EA9UN
1437-21085 CP1FF
1456-14085 4X6U0 QSL WB3CQN
1507-14089 RB4IUE
1507-14090 A45ZX

1613-21083 IS0CDS
1626-21088 ZS9A
1709-14080 SV2BBJ
1737-17084 U050C QSL I8YGZ
1738-14090 S92ZM
1740-14088 VQ9WL
1916-14085 VS600
2357-14085 ZP5FGS

Sunday 5

0945-21084 UZ9CWA
1002-14084 C91AI QSL CT1DGZ
1308-14086 UR8L/UB5TAU QTH Kharkov
1315-14088 5B4VX
1334-14084 UN7RX
1336-14087 CT1AMK
1338-14091 SV1BMN
1341-21084 EA8ATE
1353-21086 LZ1MC
1402-21088 SV2BBJ
1403-21087 LX1DA
1419-14087 9H1ET
1424-14090 UR9/UB5TAU
1427-14083 S51GL
1437-14086 IB0R QSL I0BET
1445-21084 CT1ATC
1507-14086 UB4UCG
1534-14089 TK5ML
1600-21085 OM3CPC
1610-21085 9A3PL
1635-14087 GM0PKX
1757-14084 IB0R
1826-14087 PY2BDY
2350-14086 KL7MG

Monday 6

0044-14082 LU1CIB
0250-14069 CP4PG
0551-14082 UN7RX
0745-14086 V73BN
0905-14081 HL9AX
0935-14083 IS0MPC
1042-14085 RA2FB
1307-14083 RW3PF
1315-14087 U050C
1317-14082 UA4YH
1433-14089 SV1BJV
1438-14086 EI4Z

1523-14090 EA6ABB
1537-14088 5B4VX
1540-14087 GW0HUT
1544-14085 GW4WWE
1716-14090 TL8NG

Tuesday 7

0752-14083 LZ1KMS QRP
0803-14087 YI1HS
0806-14087 RB4IUE
0821-14087 EA6MQ
0827-14087 SV1BJV
0856-14086 EA6PZ
0905-14088 GM0NAZ
0912-21090 EC6AD
0917-21090 LZ1MC
0940-21090 TL8NG
1007-14077 9A3KG ARQ
1517-21070 J28JJ ARQ (Jean is formerly A92FG)

Wednesday 8

0031-14086 S92ZM
0718-14083 UH8AAB
1331-14082 U050ED

Thursday 9

No Reports

Send your Bandpass and Notes of Interest for next week's bulletin to
Luciano, I5FLN @ ZS5S.ZAF.AF or I5FLN @ 9X5LJ.#KGL.RWA.AF.

73 and Good Hunting DE Jules, W2JGR @ W2TKU.#SRQFL.FL.USA.NA
/EX
SP KT7H @ N7DUO.WA.USA.NA

Date: Fri, 10 Dec 1993 15:34:08 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!
emory!kd4nc!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <1993Dec8.184205.20082@ll.mit.edu>,
<1993Dec9.162128.12183@ke4zv.atl.ga.us>, <1993Dec9.220930.28797@ll.mit.edu>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: hypochondriac scared of cancer!

In article <1993Dec9.220930.28797@ll.mit.edu> wjc@ll.mit.edu (Bill Chiarchiaro)

writes:

>|> ...whole bunches of stuff deleted...

>

> The gain of a half-wave dipole relative to the isotropic radiator is
>2.14 dB (I'm presenting this as a given --- I'll listen to
>counterarguments).

Free space, but a single dipole on a 70 foot metal tower probably doesn't emulate free space very closely. Getting into calculating the exact difference is probably a waste of effort. *Measuring* it is the only realistic way to know what the pattern looks like.

> Now we differ by only 0.7dB! Certainly the difference is in the
>right direction, given that you assumed the flux from the dipole is
>evenly distributed over a cylindrical surface surrounding the dipole.
>It is interesting that the resulting error in field strength is only
>8 percent. A single half-wave dipole just isn't very directive, eh?

Well we *knew* that. :-) The only serious nulls are off the ends and that's a small percentage of the total pattern, apparently about 8% since I deleted end effects completely in my simple model.

Gary

--

Gary Coffman KE4ZV	I kill you,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	You kill me,	uunet!rsiatl!ke4zv!gary
534 Shannon Way	We're the Manson Family	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-sorry Barney	

Date: Wed, 8 Dec 1993 13:56:15 GMT
From: netcomsv!netcom.com!greg@decwrl.dec.com
To: info-hams@ucsd.edu

References <mac.755206284@depot.cis.ksu.edu.cis.ksu.edu>,
<gregCHo43F.9o4@netcom.com>, <1993Dec8.003950.10070@mnemosyne.cs.du.edu>
Subject : Re: Scratchi, January, 1960

In article <1993Dec8.003950.10070@mnemosyne.cs.du.edu> jmaynard@nyx10.cs.du.edu (Jay Maynard) writes:
>Political correctness rears its ugly head.

If you have an intellectual argument, let's see it. On the other hand, the 'Political correctness' label is nothing but a label behind which those who are uncomfortable confronting the issues hide. It's the pat on the head to the assertive woman, and the 'be a good boy' to the uppity nigger.

> That article was from 1960,
>ferchrissakes!

That's right. And it reflects an attitude which is repugnant to many of us today. 'The American Jew' is from the 1920's. Does that make it quotable today? (n.b. 'The American Jew' is a work by Henry Ford Sr. which is a bigoted and anti-Semitic volume. It is catching on in, of all places, Japan).

>Anyone who gets offended by that article, much less thinks it
>reflects current ham thinking, has too high an offensensitivity quotient.

Have you ever heard the phrase 'opening old wounds?'

Greg

Date: Fri, 10 Dec 1993 15:11:20 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!emory!kd4nc!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <thweatt.755217435@mustang18>, <1993Dec8.123356.6473@ke4zv.atl.ga.us>,
<btobackCHrxJG.IFr@netcom.com>nc
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)
Subject : Re: ARRL BOOK???WHERE???

In article <btobackCHrxJG.IFr@netcom.com> btoback@netcom.com (Bruce Toback) writes:

>
>Really, Gary, what would you have thought if back in 1962, someone handed
>you a 1994 Handbook? Or the Spread Spectrum Sourcebook? Technology changes.
>How do you go about building something from the 1962 Handbook when it specifies
>a 6CW4 in the front end? Other than the construction projects, what
>specifically was included in the 1962 Handbook that has been omitted from
>the 1994 edition?

Hmm. If I need a 6CW4 for a project, I reach right over here in this drawer and pull a new one out of the RCA packaging. You picked a bad example since I have a stockpile of these to support Ampex VR2000 videotape machines. I may also have the world's largest supply of 6C10s.
:-)

And BTW the '62 volume does have a chapter on semiconductor devices and their physics. It doesn't cover ICs of course since they weren't yet available. But really, they're not much more than a block diagram

abstraction of conventional circuitry.

The 1962 Handbook has 624 numbered pages, plus index and advertising sections. I don't know how many pages my newest Handbook has since it re-numbers pages at each chapter break, an annoying bug IMHO. It also has a less than useful table of contents and index. It also seems to jumble up construction projects and theory instead of offering them in coherent sections. It seems to be attempting to be a shallow encyclopedia rather than a coherent guide to radio-electronics as it applies to amateur radio.

It's true that there are new devices to be discussed in the newer Handbooks, though the devices used in the construction articles seem to be discontinued whenever I attempt to build one of the circuits. :-(However, the electronic theory sections in the older book are lucid, useful, and more accessible than those in the newer editions, again IMHO. Basic electronic theory hasn't changed since 1962 even if some of the particular devices implementing it have.

I don't generally consider the Handbook as primarily a source of construction projects, though I'll point out that older editions had more ambitious projects. I keep a Handbook around primarily as a reference volume, and as a reference volume the newer books are less useful than the older ones. It reads more like a series of articles for QST than as a coherent volume. (Now if you want to compare the technical content and quality of the 1962 QST with today's issues, that's another argument we can get into.)

The new Handbooks have great superficial breadth, but less depth in fundamental areas. Maybe that's inevitable, but I find them less useful than the older books, and I find myself turning more often to other references, such as the RSGB books, or professional Handbooks like Reference Data for Radio Engineers and its ilk.

The Spread Spectrum Sourcebook suffers from the same fate of appearing to read like a disconnected collection of magazine articles. On the other hand, DeMaw's books are coherently written, as are those by Walt Maxwell and Chris Bowick. They develop their subject matter in an orderly and concise manner. Of course the Handbook has many authors of varying ability, and that no doubt leads to its magazine quality. Still I think a more heavy handed editor could help bring a bit more order and consistency to the volume. I realize that isn't an easy job, and that a particular editor may have a different vision of what the Handbook should be than I do.

What I want out of the Handbook is a solid theory section that's easily accessed for reference, and some practical projects that can serve as examples of the techniques addressed. An example of where the current

Handbook goes wrong IMHO is the rotor control project in the space communications section. While rotor control is something someone building a Earth terminal must consider, that project should have been in a chapter on control systems, a chapter that's missing from the book. I'd also like a through quick reference section of the appropriate charts, tables, formulae, and the like that a radio engineer needs frequently. The older Handbooks did a better job of meeting these objectives than the newer ones IMHO.

Gary

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